

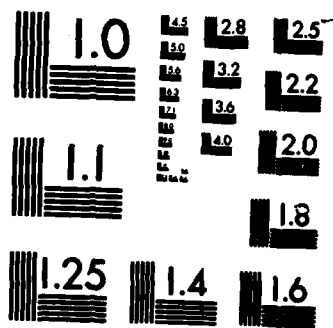
AD-A151 009 MIXED VALENCE MATERIALS(U) VERMONT UNIV BURLINGTON DEPT 1/1  
OF CHEMISTRY W E GEIGER 1985 N00014-82-K-0289

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AUTHOR(s) William E. Geiger, Jr.		8. CONTRACT OR GRANT NUMBER(s) N00014-82-K-0289
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Spectroscopic and Magnetic Studies of a Mixed-Valence Iron Fluoride, Fe2F5.2H2O were carried out. The Structure of a Mixed-Valence Iron Fluoride FeF2H2O was determined. Magnetic Exchange in a Chloride- and Adeninium-Bridged Linear Trimer of Copper (II)-Octachlorobis-(adeninium) tricopper (II) Tetrahydrate was effected. Originator Supplied Keywords include,		

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# The University of Vermont

DEPARTMENT OF CHEMISTRY  
COOK PHYSICAL SCIENCE BUILDING  
BURLINGTON, VERMONT 05405  
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February 4, 1985

~~FEB~~ 8 1985

Dr. Ken Wynne  
Chemistry Division Code 413  
Research Programs  
Office of Naval Research  
800 North Quincy Street  
Arlington, VA 22217

Dear Ken:

I understand from talking with Chris Allen that your office would like to obtain some information about Contract N00014-82-K-0289, for which the late David B. Brown was principal investigator. I have looked through Dave's files and to the best of my information and recollection, tried to pull together on the enclosed sheets the requested information on personnel and publications. If there are any further questions, please give me a call.

Sincerely,

*Bill*

William E. Geiger Jr.  
Professor of Chemistry

WEG/jms

cc: Mike Kelly  
Steve Stoddard

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A) Personnel

- 1) Graduate students receiving Ph.D. who were supported by ONR

Dr. Erick Walton (1979)  
Dr. Chester T. Dziobkowski (1979)  
Dr. Barry Cushman (1979)

- 2) Postdoctoral associates supported by ONR

Dr. David Anderson  
Dr. Zbigniew Peplinski  
Dr. Fritz Wenk  
Dr. James Wroblewski

B) Publications

"Spectroscopic and Magnetic Studies of a Mixed-Valence Iron Fluoride,  $\text{Fe}_2\text{F}_5 \cdot 7\text{H}_2\text{O}$ ," E.G. Walton, P.J. Corvan, D.B. Brown, and P. Day, Inorg. Chem. 15, 1737 (1976).

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"Standards for Magnetic Measurements. A Comparison and a Proposal for the Use of Tetramethylethylenediammonium Tetrachlorocuprate (II)," D.B. Brown, V.H. Crawford, J.W. Hall, and W.E. Hatfield, J. Phys. Chem. 81, 1303 (1977).

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